

WHAT IS CLAIMED IS:

1. A contact-free data communications system, comprising:
a data communications device located in a predetermined place; and
a contact-free identification tag;
the data communications device comprising:
means for acquiring positional information of the data communications device; and
means for transmitting an electromagnetic wave for providing power and transmitting the positional information of the data communications device acquired by the means for acquiring positional information to the contact-free identification tag in a surrounding area of the data communications device;
the contact-free identification tag comprising:
means for receiving positional information transmitted by the data communications device;
means for generating driving power out of the electromagnetic wave for providing power that is transmitted by the data communications device;
means for generating positional relationship information based on the positional information that is received by the means for receiving positional information;
means for displaying positional relationship information that is generated by the means for generating positional relationship information;
a data storage medium that is nonvolatile; and
means for storing data in the data storage medium.

2. The contact-free data communications system according to claim 1, further comprising:

means for inputting destination information to the contact-free identification tag,

wherein the means for generating positional relationship information generates the positional relationship information based on the positional information that is transmitted by the data communications device and the destination information that is input by the means for inputting destination information.

3. A contact-free data communications system, comprising:
a data communications device located in a predetermined place;
a contact-free identification tag; and
means for inputting destination information to the contact-free identification tag;

the data communications device comprising:

means for acquiring positional information of the data communications device;

means for receiving destination information input to the contact-free identification tag;

means for generating positional relationship information that shows a positional relationship between the contact-free identification tag and a destination based on the destination information and the positional information of the data communications device; and

means for transmitting an electromagnetic wave for providing power and transmitting the positional relationship information that is generated by the means for generating

positional relationship information to the contact-free identification tag that is in a surrounding area of the data communications device;

the contact-free identification tag comprising:

- means for transmitting destination information to the data communications device;
- means for generating driving power out of the electromagnetic wave for providing power that is transmitted by the data communications device;
- means for receiving positional relationship information;
- means for displaying positional relationship information that is received by the means for receiving positional relationship information;
- a data storage medium that is nonvolatile; and
- means for storing data in the data storage medium.

4. The contact-free data communications system according to claim 1, further comprising means for displaying positional information showing a position of the data communications device based on the positional information of the data communications device acquired by the means for acquiring positional information.

5. A contact-free identification tag comprising:

- means for receiving positional information transmitted by a data communications device;
- means for generating driving power out of an electromagnetic wave for providing power transmitted by the data communications device;

means for generating positional relationship information based on the positional information received by the means for receiving positional information;

means for displaying positional relationship information generated by the means for generating positional relationship information;

a data storage medium that is nonvolatile; and

means for storing data in the data storage medium.

6. The contact-free identification tag according to claim 5, wherein the means for generating positional relationship information generates the positional relationship information based on the positional information that is transmitted by the data communications device and destination information that was stored to the data storage medium previously.

7. A contact-free identification tag comprising:

means for transmitting destination information to a data communications device;

means for receiving positional relationship information transmitted by the data communications device;

means for generating driving power out of an electromagnetic wave for providing power that is transmitted by the data communications device;

means for displaying positional relationship information that is received by the means for receiving positional relationship information;

a data storage medium that is nonvolatile; and

means for storing data in the data storage medium.

8. A data communications device comprising:
means for acquiring positional information of a data communications device; and

means for transmitting data that transmits an electromagnetic wave for providing power and transmitting positional information of the data communications device that is acquired by the means for acquiring positional information to a contact-free identification tag in a surrounding area of the data communications device.

9. A data communications device comprising:
means for acquiring positional information of a data communications device;

means for receiving destination information that is input to a contact-free identification tag;

means for generating positional relationship information that shows a positional relationship between the contact-free identification tag and a destination based on the destination information and the positional information of the data communications device; and

means for transmitting data that transmits an electromagnetic wave for providing power and transmitting the positional relationship information that is generated by the means for generating positional relationship information to the contact-free identification tag in a surrounding area of the data communications device.

10. The data communications device according to claim 9, further comprising means for displaying positional information that shows a position of the data communications device based on the positional information of the data

communications device that is acquired by the means for acquiring positional information.

11. A program for controlling operations of a contact-free communications system, comprising:

acquiring positional information of a data communications device;
receiving positional information that is transmitted by a data communications device;
generating driving power out of an electromagnetic wave for providing power that is transmitted by the data communications device;
generating positional relationship information based on the positional information that is received;
displaying positional relationship information that is generated by generating the positional relationship information; and
storing data in a data storage medium that is nonvolatile.

12. The program for controlling operations of a contact-free communications system according to claim 11, further comprising generating the positional relationship information based on the positional information that is transmitted by the data communications device and destination information that was stored to the data storage medium previously.

13. A program for controlling operations of a contact-free communications system comprising:

transmitting destination information to a data communications device;
receiving positional relationship information that is transmitted by the data communications device;

generating driving power out of an electromagnetic wave for providing power that is transmitted by the data communications device;

displaying positional relationship information that is received; and
storing data in a data storage medium that is nonvolatile.

14. The program for controlling operations of the contact-free communications system according to claim 11, further comprising:

acquiring the positional information of the data communications device; and

transmitting data that transmits the electromagnetic wave for providing power and transmitting the acquired positional information of the data communications device to the contact-free identification tag that is in a surrounding area of the data communications device.

15. The program for controlling operations of the contact-free communications system according to claim 13, further comprising:

acquiring the positional information of the data communications device; receiving the destination information that is input to the contact-free identification tag;

generating the positional relationship information that shows the positional relationship between the contact-free identification tag and a destination based on the destination information and the positional information of the data communications device; and

transmitting the electromagnetic wave for providing power and the positional relationship information that is generated to the contact-free identification tag that is in a surrounding area of the data communications device.

16. The data-communications device according to claim 8; further comprising means for displaying positional information that shows a position of the data communications device based on the positional information of the data communications device that is acquired by the means for acquiring positional information.

17. The contact-free data communications system according to claim 2, further comprising means for displaying positional information showing a position of the data communications device based on the positional information of the data communications device acquired by the means for acquiring positional information.

18. The contact-free data communications system according to claim 3, further comprising means for displaying positional information showing a position of the data communications device based on the positional information of the data communications device acquired by the means for acquiring positional information.

19. A contact-free data communication system, comprising:
a data communications device located in a predetermined place; and
a contact-free identification tag;
the data communications device comprising;
a first data controller and a data global
positioning system that acquires positional information
of the data communications device; and
a transmitter that transmits an electromagnetic
wave for providing power and transmits the positional
information of the data communications device to the

contact-free identification tag in a surrounding area of the data communications device;

the contact-free identification tag comprising:

- a receiver that receives positional information transmitted by the data communications device;
- a power generator that generates driving power out of the electromagnetic wave for providing power that is transmitted by the data communications device;
- a generator that generates positional relationship information based on the positional information that is received by the receiver;
- a display that displays positional relationship information that is generated by the generator;
- a data storage medium that is nonvolatile; and
- a data storage that stores data in the storage medium.

20. The contact-free data communication system according to claim 19, further comprising an input device that is used to input destination information to the contact-free identification tag.